

Kazartsev, V. I.

USSR/ Metallurgy - Metal coatings

Card 1/1 Pub. 128 - 22/33

Authors : Kazartsev, V. I. Prof., Dr.Tech. Sci.

Title : Wear resistance of coatings used in the repair of machine components

Periodical : Vest. mash. 36/1, 63-65, Jan 1956

Abstract : Operational tests were conducted on metal, chrome and electroplated specimens to determine the wear resistance of various types of coatings and to select the most economical and efficient methods of restoring used machine components. Technical data regarding individual test methods and types of metal and coatings used, friction and temperature coefficients, microhardness and the rate of wear of coatings and metals, are given. Tables; drawings; diagram.

Institution :

Submitted :

KAZARTSEV, V. I.

AID P - 4318

Subject : USSR/Engineering

Card 1/1 Pub. 128 - 18/26

Authors : Kazartsev, V. I., Dr. Tech. Sci., Prof. and N. I.
Sobolev, Kand. Tech. Sci.

Title : Restoration of worn-out interior cylindrical surfaces
by the use of changeable steel bands.

Periodical : Vest. mash., #3, p. 61-66, Mr 1956

Abstract : For repairing worn-out interior cylindrical surfaces, it
is suggested that a rolled highly-resilient steel band
be placed with considerable strain inside the cylinder;
on unfolding the band will fit the cylinder walls
tightly. The band is made mostly from a carbon alloy
steel, manganese strengthened. This method is described
in detail with technical data and diagrams added. 5 ref-
erences, 1933-195^h.

Institution : None

Submitted : No date

KAZARTSEV, V.I.

135-9-2/24

AUTHORS: Kazartsev, V.I., Professor and Doctor of Technical Sciences
and Popovichenko, G.D., Candidate of Technical Sciences

TITLE: Resurfacing of Worn Automobile Parts by Automatic Arc-Welding
under Flux (Vosstanovleniye iznoshennykh avtomobil'nykh deta-
ley avtomaticheskoy naplavkoj pod flyusom)

PERIODICAL: "Svarochnoye Proizvodstvo", 1957, # 9, p 4-8 (USSR)

ABSTRACT: The article describes in detail the technology of automatic resurfacing of cylindrical, normalized, improved, and hardened automobile parts made of carbon steel and of low-alloy steel. It is stated that at the present time such parts are manually resurfaced. A welding machine, consisting of a converted lathe, a semi-automatic welder, and an electric generator, was utilized. Since it was almost impossible to remove the slag crust from the metal after surfacing small hollow parts, a special water nozzle (shown by Fig 1) was designed for cooling the inside of the part being resurfaced. With the use of this nozzle, no difficulty in removing slag was encountered. Heat removal was intensified when surfacing small solid cylindrical parts by applying in two

Card 1/2

KAZARTSEV, V.I.

[Progressive methods of reconditioning tractor parts] Perekovye
sposoby vosstanovleniya avtotraktornykh detalei. Moskva, Gos. izd-vo
selkhoz lit-ry, 1958. 205 p. (MIRA 11:12)
(Tractors--Maintenance and repair)

KAZARTSEV, V.I., doktor tekhn. nauk.

Improve the terminology of machinery repair and maintenance. Mekh.
i elek. sots. sel'khoz. 15 no.1:8-9 '58. (MIRA 11:3)

1. Leningradskiy sel'skokhozyaystvennyy institut.
(Agricultural machinery--Terminology)

KAZARTSEV, V.I., doktor tekhn.nauk

Organization of agricultural machinery repair in the people's
democracies. Mekh. i tekhn. sots. sel'khoz. 15 no.2:57-60 '58.
(MIRA 11:5)

1. Leningradskiy sel'skokhozyaystvennyy institut.
(Agricultural machinery--Maintenance and repair)

KAZARTSEV, Vasiliy Ivanovich, prof., dokter tekhn. nauk; CHAPSKIY, O.U.,
red.; BARANOVA, L.G., tekhn. red.

[Repair of machinery; tractors, automobiles, and agricultural
machinery] Remont mashin; traktorov, avtomobilei i sel'skokhozislaist-
vennykh mashin. Izd.3., perer. i dop. Leningrad, Izd-vo sel'khoz.
lit-ry, zhurnalov i plakatov, 1961. 583 p. (MIRA 14:12)

(Agricultural machinery-- Maintenance and repair)

(Automobiles--Maintenance and repair)

(Tractors--Maintenance and repair)

KAZARTSEV, Vasiliy Ivanovich, prof., doktor tekhn. nauk; SHARONOV,
Gennadiy Prokof'yevich, dots., kand. tekhn. nauk; DOLBIN,
Viktor Vasil'yevich, inzh.; SUKHOV, I.V., inzh., red.;
FREGER, D.P., red. izd-va; GVIERTS, V.L., tekhn. red.

[Method for the fast complete running-in of a diesel engine with
a minimum of initial wear; transcript of a lecture] Rezhim usko-
rennoi polnoi prirabotki dizel'nogo dvigatelia s naimen'shim
nachal'nym iznosom; stenogramma lektsii. Leningrad, Leningr. Dom
nauchno-tekhn. propagandy, 1961. 37 p. (MIRA 14:12)
(Diesel engines)

SHADRICHEV, Viktorin Arsen'yevich; YEFREMOV, V.V., doktor tekhn. nauk,
prof., retsenzent; KAZARTSEV, V.I., doktor tekhn. nauk, prof.,
red.; SIMONOVSKIY, N.Z., red. izd-va; SHCHETININA, L.V., tekhn.
red.

[Selecting an efficient method for the reconditioning of motor-
vehicle parts by metal coating] Osnovy vybora ratsional'nogo spo-
soba vosstanovleniya avtomobil'nykh detalei metallopokrytiiami.
Moskva, Mashgiz, 1962. 295 p. (MIRA 15:9)
(Motor vehicles--Maintenance and repair)

8/122/63/000/001/001/012
D263/D308

AUTHOR: Kazartsev, V.I., Doctor of Technical Sciences,
Professor

TITLE: Required, attained and actual durabilities of
machines

PERIODICAL: Vestnik mashinostroyeniya, no. 1, 1963, 10-15

TEXT: The author gives the general required and actual
durabilities of machine components and deals in detail with their
attained durability. The following aspects are discussed: physical
durability (useful life of wearing parts between overhauls); technical-
economical durability (number and sort of overhauls required be-
fore the machine becomes unproductive); "moral" durability, defined
as useful life after which a machine of certain design becomes econ-
omically inefficient and which depends on technical progress in con-
struction of a particular type of machine. Equations for physical
durability and technical-economical durability are deduced and their
application explained on the basis of several practical examples.
There are 3 figures.

Card 1/1

SHARONOV, Gennadiy Prokof'yevich; KAZARTSEV, V.I., zasl. deyatel' nauki i tekhniki prof., red.; LIBERMAN, N.R., red.

[Using oil additives for accelerating the running-in of engines] Primenenie prisadok k maslам dlja uskorenija prirabotki dvigatelei. Moskva, Khimiia, 1965. 222 p.
(MIRA 18:7)

YARTSEV, M.; KOCHKAREVA, A.; MAKRETSOV, S., partiyny rabotnik (pos. Stoyba, Selennzhinskogo rayona Amurskoy oblasti); SOLODOVNIKOV, V., akter (Riga); KAZARTSEVA, O., slushashchaya; BRENIS, A., inzh. (Moskva); DVORZHETS, Ye.

Frank conversation. Zhil.-kom. khoz. 12 no. 3:28-29 Mr '62.
(MIRA 15:10)

1. Zamestitel' direktora gostinitsy "Oktyabr'skaya", Leningrad (for Yartsev). 2. Direktor dvortsya kul'tury g. Lipetska (for Kochkareva). 3. Ministerstvo stroitel'stva elektrostantsiy, Moskva (for Kazartseva). 4. Direktor Moskovskoy kinostudii nauchno-populyarnykh fil'mov (for Dvorzhets).

(Hotels, taverns, etc.)

Card 1/2

Effects of Physical Factors.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60925

general state of the organism, similar to the symptoms of radiation sickness (hematological shifts, bactoemia, etc.). Analogous irradiation about three days before the production of wounds speeded up the healing process and was favorable towards the increase in reactivity in the rabbits organism. In such a case the symptoms of radiation sickness were absent. -- E. B. Glikson

ABASKULIYEVA, L.I., kand.med.nauk; KAZARYAN, A.D., kand.med.nauk

Use of naphthalan and a paste made from coniferous needles in
treating wounds of soft tissues in irradiated animals. Azerb.
med.zhur. no.2:27-34 F '62. (MIRA 16:4)

1. Iz kafedry patofiziologii (zav. - dots. S.A.Gyliyeva).
Azerbaydzhanskogo instituta usovershenstvovaniya vrachey
(rektor - prof. A.M.Aliyev) i Nauchno-issledovatel'skogo
instituta rentgenologii i radiologii Minzdrava Azerb.SSR
(direktor - dots. M.M.Alikishibekov).

(NAPHTHALAN) (RADIATION SICKNESS)
(CAROTENE—THERAPEUTIC USE) (CHLOROPHYLL—THERAPEUTIC USE)

KAZARYAN, A.D.; ABASKULIYEVA, L.I.

Healing of infected wounds in an experiment under the repeated influence of ionizing irradiation. Med.rad. no.3:61-66 '62.

(MIRA 15:3)

1. Iz Azerbaydzhanskogo nauchno-issledovatel'skogo instituta rentgenologii i radiologii i kafedry patofiziologii Instituta usovershenstvovaniya vrachey.

(WOUNDS—TREATMENT) (RADIATION—PHYSIOLOGICAL EFFECT)

NADZHAROV, A.G., kand.med.nauk; ABASOV, I.T., kand.med.nauk; KAZARYAN, A.D.,
kand.med.nauk

Candidiasis in cancer patients. .Azerb.med.zhur. no.5:10-15 My '62.
(MIRA 15:8)
1. Iz Azerbaydzhanskogo instiuta rentgenologii radiologii (dir. -
dotsent M.M.Alikishibekov).
(MONILIASIS) (CANCER)

ABDULLAYEV, M.D.; KAZARYAN, A.D.; SATTAR-ZADE, A.D.

Course of staphylococcal focal infections in white rats at late periods following general X-irradiation. Zhur. mikrobiol.; epid. i immun. 41 no.6:107-111 Je '64.

(MIRA 18:1)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut rentgenologii i radiologii.

KAZARYAN, A. A.

"The Electrical Equipment of the Tsimlyanskaya Hydroelectric Power Plant."

in book - New Developments in the Design of Electric Equipment for Hydro-electric Power Plants, 1957. 222 p. Moscow-Leningrad, Gosenergoizdat.
(Data on the conference on Design and Operation, Moscow, 16-24 May 1956.)

(Card)
KAZARYAN, A. G.: Master Geolog-Mineralo Sci (diss) -- "Hydrothermal changes
in the intrusive rock of the copper-molybdenum deposits of southern Armenia
(Dzhindara, Kadzharan, Dastakert)". Yerevan, 1958. 21 pp (Inst of Geological
Sci Acad Sci Armenian SSR), 150 copies (KL, No 4, 1959, 123)

KAZARYAN, A.G.

Association of hypogene gypsum with sulfides as exemplified by the
Dzhindarinskoye deposit. Izv. AN Arm. SSR. Ser. geol. i geog. nauk 11
no.1:65-70 '58. (MIRA 11:7)

1. Institut geologicheskikh nauk AN ArmSSR.
(Megri District--Mineralogy)

KAZARYAN, A.G.; SHEKHYAN, G.G.

Genesis of the pyrite deposits of the Armenian S.S.R. Dokl.
AN Arm. SSR 37 no.1:21-23 '63. (MIRA 16:11)

1. Nauchno-issledovatel'skiy gorno-metallurgicheskiy institut.
Predstavлено академиком AN Armyanskoy SSR S.S. Mkrtchyanom.

KAZARYAN, A.G.

Formation of biotite in Kadzharan odinite dikes. Izv. AN Arn.
SSR. Ser. geol. i geog. nauk 11 no.3:71-76 '58. (MIRA 11:10)

1. Institut geologicheskikh nauk AN Armyanskoy SSR.
(Zangezur Range--Minerology)

KAZARYAN, A.G.

Structure of pyrite nodules from the Akhtala deposit in the
Armenian S.S.R. Zap.Vses.min.ob-va 90 no.5:586-588 '61.
(MIRA 14:10)
(Akhtala region (Armenia))—Pyrites)

HAFARYAN, A.G.

Hydrothermal alterations of enclosing rocks in the Dzinderin
copper-molybdenum deposit. Zap.Arn.otd.Vses.min.Ob-na
no.1:69-78 1959. (10.10.10)
(Nagri District-Metamorphism(Geology))

KAZARYAN, A.G.

Differences between hypogene and supergene argillization.
Izv. AN SSSR, Ser.geol. 27 no.6:112-113 Je '62. (MIRA 15:5)
(Argillization)

KAZARYAN, A.G., assistent

Variations in the forms of the thyroid gland and their significance
in surgery. Trudy Erev.med.inst. no.11:115-120 '60.

(MIRA 15:11)

1. Iz kafedry normal'noy anatomii (zav. - dotsent A.M.Akopyan)
Yerevanskogo meditsinskogo instituta.
(THYROID GLAND)

VARTAPETYAN, B.S.; KAZARYAN, A.G.; SHEKHYAN, G.G.; AMIREJKYAN, E.G.

Recent data on the mineralogy of enclosing rocks in the Kafan
ore area. Dokl. AN Arm. SSR 37 no.1:25-28 '62. (MIRA 16:11)

1. Nauchno-issledovatel'skiy gorno-metallurgicheskiy institut.
Predstavлено академиком AN Armyanskoy SSR K.N.Paffengol'tsem.

KAZARYAN, A.G.

Wall rock alternation in the Akhtala barite-complex metal deposit.
Zap. Arm. otd. Vses. min. ob-va no. 2:142-155 '63. (MIRA 16:10)

KAZARYAN, A.G.

Manifestation of mineralization stages in various ore formations of
the Armenian S.S.R. Zap.Vses.min.ob-va 92 no.4:470-474 '63.
(MIRA 17:2)

KAZARYAN, A.G.

Secondary quartzites in the Armenian S.S.R. Dokl. AN Arm. SSR
40 no.1:53-58 '65. (MIRA 18:7)

1. Nauchno-issledovatel'skiy gorno-metallurgicheskiy institut
Gosmetallurgkomiteta SSSR. Submitted March 27, 1964.

FAVOROVA, L.A.; CHUBKOVA, A.I.; PAPOYAN, A.I.; KAZARYAN, A.P.;
STEPANYAN, G.Kh.; AVAKYAN, B.S.

Study of the insecticidal effect of tutadione. Report No.1.
Zhur.mikrobiol., epid.i immun. 33 no.8:35-39 Ag '62.

(MIRA 15:10)

1. Iz Instituta epidemiologii i mikrobiologii imeni Camalei AMN
SSSR i Instituta epidemiologii i gigiyeany Armyanskoy SSR.
(BUTADIONE) (INSECTICIDES) (LICE)

KHENTKYAN, H.V.

TABLE I BOOK EXTRASCTIONS
BY 1962

06/13/62

Pravil'nye i vseobshchie professorov i pravil'nye pedagogicheskie
kursiki.

77. О (Annotacion of Extractions in the Study of Substances, No. 9) Moscow,
Izdat. Nauka, 1959. 265 p. Kriva slija inserted. 1,000 copies printed.

Mal'si V. V. Biokhimiya. Professor, and B. B. Katsenelenbaum, Professor.

PURPOSE: This collection of articles is intended for scientists specializing in ultrasonics, and for those interested in the application of ultrasonics to the study of living parts and structural elements.
CONTENTS: The collection contains the transactions of the All-Russian Conference of Professors and Teachers of Pedagogical Institutes. The article reports on recent theoretical and experimental investigations in the field of ultrasonics and discusses the application of ultrasonics to the study of

Ques. 1/7

Application of ultrasonics (Cont.)

06/13/62

Биокакт. [Institut po biologicheskym issledovaniyam]. Voprosy polosat. Issled. na vysokochastotnoj ultrazvukovoj instrumentnosti. Properties of Speed of Liquids and Gases. Sov. Patent. No. 190000. Properties of Liquids and Gases. Ultrasound and Ultrasonic Treatment and Temperature.

71

Определяем в. в. [Institut Pedagogich. i Nauk.]. Speed of Ultrasonics with Harmonization Temperature in Gels.

63

Джарднер, М. А. [Institut Obrabotki Poligonal'nykh Institutov, Izd-vo Akademii Nauk SSSR]. Изменение of Абсорбции Оптического Волна в Органах Животных в Инфракрасном Радиоизлучении.

95

Джарднер, А. Г. и д. л. Бондаревская. [Institut Obrabotki Poligonal'nykh Institutov, Izd-vo Akademii Nauk SSSR]. Investigation of the Behavior of Gels Under Ultrasonic Action.

117

Джарднер, А. Г. [Institut Obrabotki Poligonal'nykh Institutov, Izd-vo Akademii Nauk SSSR]. Properties of the Radiation Resistance of Polyacrylate Gels.

117

Application of Ultrasonics (Cont.)

06/13/62

Джарднер, А. Г. [Inst. Ped. Inst. im. Lenina (Institut Pedagogich. i Nauk. Institut im. Lenina)]. Kratko-figurnye i Tipyiche Modeli.

125

Джарднер, А. Г. и д. л. Бондаревская [Institut Obrabotki Poligonal'nykh Institutov, Izd-vo Akademii Nauk SSSR]. Изменение свойств яичного белка при воздействии инфракрасного излучения на яйца птиц. Effect of the Vibration of the Academy of Sciences (USA). Effect of the Vibration of the Egg White on the Properties of the Egg White.

127

Джарднер, А. Г. и д. л. Бондаревская [Institut Obrabotki Poligonal'nykh Institutov, Izd-vo Akademii Nauk SSSR]. Изменение свойств яичного белка при воздействии инфракрасного излучения на яйца птиц. Effect of the Vibration of the Egg White on the Properties of the Egg White.

127

Джарднер, А. Г. и д. л. Бондаревская [Institut Obrabotki Poligonal'nykh Institutov, Izd-vo Akademii Nauk SSSR]. Изменение свойств яичного белка при воздействии инфракрасного излучения на яйца птиц. Effect of the Vibration of the Egg White on the Properties of the Egg White.

127

Джарднер, А. Г. и д. л. Бондаревская [Institut Obrabotki Poligonal'nykh Institutov, Izd-vo Akademii Nauk SSSR]. Изменение свойств яичного белка при воздействии инфракрасного излучения на яйца птиц. Effect of the Vibration of the Egg White on the Properties of the Egg White.

127

KAZARYAN, B.A.

Mechanism of the hyperglycemic action of γ -aminobutyric acid.
Izv. AN Arm. SSR. Biol. nauki 16 no. 2:59-67 F '63.
(MIRA 17:7)

1. Institut biokhimii AN Armyanskoy SSR.

KAZARYAN, R.A., GULYAN, E.A.

Role of the hypophysis in the hyperglycemic effect of gamma
aminobutyric acid. Vop. biokhim. nar. 1:73-77 '64.

(MERA 1804)

1. Institut biokhimii AN ArmSSR.

BUNYATYAN, G.Kh.; KASARYAN, B.A.

Role of the pre-thalamus in the action of gamma-aminobutyric acid
on the carbohydrate metabolism in peripheral organs. *Vop.
biokhim. noz.* 1:79-86 '64. (VCP-1889)

1. Institute Biokhimi AN Arznnii.

KAZARYAN, B.A.

Some aspects of the effect of gamma aminobutyric acid on
carbohydrate metabolism. Izv. AN Arm. SSR. Biol. nauki 15 no.11:
11-18 N '62. (MIRA 15:12)

1. Institut biokhimii AN Armyanskoy SSR,
(CARBOHYDRATE METABOLISM) (BUTYRIC ACID)

BUNYATYAN, G.Kh., akademik; KAZARYAN, B.A.; KARAGEZYAN, K.G.; GULYAN, E.A.

Penetration of γ -aminobutyric acid through hematoencephalic barrier. Dokl. AN Arm. SSR 40 no.5:289-293 '65.

(MIRA 18:7)

1. Institut biokhimii AN ArmSSR. 2. AN ArmSSR (for Bunyatyan).
Submitted March 1, 1965.

USSR/Human and Animal Physiology (Normal and Pathological)
Metabolism. Water and Salt Exchanges.

T-2

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50548

Author : Kazaryan, E., Arutyunyan, M.

Inst :

Title : The Phenomenon of Calcite Insufficiency in the Organism.

Orig Pub : Aroklichapautyun, 1957, No 1, 33-34.

Abstract : No abstract.

Card 1/1

L 26507-66 EWT(1) IJP(c) GG/WW
ACCESSION NR: AP6012461

SOURCE CODE: UR/0181/66/008/004/1053/1059

AUTHOR: Kazaryan, E. M.

ORG: Moscow State University im. M. B. Lomonosov (Moskovskiy gosudarstvenny universitet)

60
58
B

TITLE: Indirect transitions connected with Coulomb interaction between electrons

SOURCE: Fizika tverdogo tela, v, 8, no. 4, 1966, 1053-1059

TOPIC TAGS: Coulomb interaction, optic transition, light absorption, semiconductor carrier, conduction band, valence band, semiconductor plasma, plasma wave

ABSTRACT: The author proposes a new light-absorption mechanism, similar to the indirect transition mechanism, except that the third body which takes on part of the energy and momentum of the transition is not a phonon or some defect, but the electron system. To check on this hypothesis, the author calculates the absorption coefficient for such transitions in the case of degenerate semiconductors containing a relatively large number of carriers in either the conduction or the valence band. The calculations are based on results of a paper by V. L. Bonch-Bruyevich and R. Rozman (FTT v. 5, 2890, 1963) and reduce essentially to evaluation of the mass oper-

L 26507-66

ACCESSION NR: AP6012461

ator with allowance for the Coulomb interaction. The cases of small and large momentum transfers are considered separately and it is found that at small momentum transfers the absorption is connected with emission of plasma waves. Expressions are also derived for the frequency dependence of the absorption coefficient and for the dependence on the conduction-electron density. The author thanks V. L. Bonch-Bruyevich for suggesting the topic and continuous interest in the work, and also I. P. Zvyagin for fruitful discussions. Orig. art. has: 1 figure and 24 formulas.

SUB CODE: 20/ SUBM DATE: 09Aug65/ CRIG REF: 005/ OTH REF: 002

Cord 2/2 CC

MIRZOYAN, L.V.; KAZARYAN, E.S.

Spectrum of RW Aurigae in the region $\lambda\lambda$ 3600-4800. Astrofizika
1 no.2;213-223 Je '65. (MIRA 18:10)

1. Byurakanskaya astrofizicheskaya observatoriya.

MIRTOYAN, L.L.; PAVARYAN, E.S.

The K-effect and nonstationary motions in the galaxy. Trudy
Astrofiz. inst. AN Kazakh. SSR 5:224-232 '65.
(MIRA 18:6)

PANOSYAN, A.K.; KAZARYAN, F.R.

Distribution of *Bacillus mycoides* in different soil types of the Armenian S.S.R. as related to the cultivation of agricultural plants. Izv. AN Arm. SSR. Biol. nauki 18 no.9:3-11 S '65.

(MIRA 18:12)
1. Biologicheskiy fakul'tet Yerevanskogo gosudarstvennogo universiteta. Submitted March 25, 1965.

KAZARYAN, G.R.

11-58-6-11/13

AUTHORS: Kazaryan, G.A., Malkhasyan, E.G., and Leyye, Yu.A.

TITLE: On the Article of S.I. Balasanyan "On the Genesis of Basic Dyke Rocks of Armenia and Adjacent Parts of the Lesser Caucasus" (Po povodu stat'i S.I. Balasanyana "K genezisu osnovnykh daykovykh porod Armenii i prilegayushchikh uchastkov Malogo Kavkaza")

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1958, Nr 6, pp 105-108 (USSR)

ABSTRACT: This is a criticism of the above mentioned article published in Nr 7 of this periodical, 1957. The critics reproach the author for his incorrect interpretation of available data, his careless handling of references, and his lack of knowledge on the subject.
There are 5 Soviet references.

ASSOCIATION: Institut geologicheskikh nauk AN ArmSSR, Trest "Armtsvetmetrazvedka" g.Yerivan (Geological Institute of the Armenian SSR, The "Armtsvetmetrazvedka" Trust, Yerivan)

SUBMITTED: April 12, 1957

AVAILABLE: Library of Congress
Card 1/1 1. Geology 2. Rock-Determination

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721330007-8

LAVRIVS., G.A.; KIRZHNIKOV, L.S.

Igneous rocks of Lalvar Mountain. Zap. Arm. otd. Vses. min.
ob-va no.1:37-51 1959. (LIRA 1:10)
(Lalvar Mountain--Rocks, Igneous)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721330007-8"

KAZARY N, G.A.

Banded structure of diabase-porphyritic dikes in Alaverdi
District. Zap.Armenia. otd.Vses.SSSR. ob.via no.1:61-68 1959.
(MIRA 14:10)
(Alaverdi District--Dikes(Geology))

ABOVIAN, S.B.; BAGDASARYAN, G.P.; KAZARYAN, G.A.; KARAPETYAN, K.I.;
MALKHASYAN, E.G.; MELIKSETYAN, B.M.; MNATSAKANYAN, A.Kh.;
CHIBUKHCHYAN, Z.O.; SHIRINYAN, K.G.; MELKONYAN, R.L., otv.
red.; CHAKHALYAN, TS., tekhn. red.; NUNYAN, S., tekhn. red.

[Chemical composition of igneous and metamorphic rocks in the
Armenian S.S.R.] Khimicheskie sostavy izverzhennykh i metamor-
ficheskikh gornykh porod Armianskoi SSR. [By] S.B. Abovian i dr.
Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 433 p.

(MIRA 16:2)

1. Akademiya nauk Armyanskoy SSR, Eriwan. Institut geologiche-
skikh nauk.

(Armenia--Rocks, Igneous--Analysis)

(Armenia--Rocks, Crystalline and metamorphic--Analysis)

MALKHASIAN, E.G.; KAZARYAN, G.A.

Petrography of keratophyre in the Shamlug-Akhtala ore zone. Zap. Arm.
otd. Vses. min. ob-va no. 2:131-141 '63. (MIRA 16:10)

L 26779-66 EWT(m)/EWP(j) RM

ACC NR: AP6017449

SOURCE CODE: UR/0363/66/002/002/0223/0228

AUTHOR: Ivanova, L. M.; Kazaryan, G. A.; Pletyushkin, A. A.

53

B

ORG: Institute of Metallurgy im. A. A. Baykov (Institut metallurgii)

TITLE: Producing silicon carbide by thermal dissociation of methylchlorosilane vapors

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 2, 1966, 223-228

TOPIC TAGS: silicon carbide, organosilicon compound, thermal decomposition

ABSTRACT: This paper reports that silicon carbide of cubic modification is the main solid product (greater than 99.5%) of the thermal dissociation of $\text{CH}_3\text{SiHCl}_2$ vapors in hydrogen at 900-1,700 C. For the same conditions, when the initial compound is $(\text{CH}_3)_2\text{SiCl}_2$, there is an excess amount of carbon with respect to the stoichiometric quantity needed for producing SiC, and along with the formation of silicon carbide there is also the separation of a significant amount of free carbon.

When helium is used in place of hydrogen in the dissociation process, formation of free carbon is facilitated for both compounds. Increasing the dissociation temperature of $(\text{CH}_3)_2\text{SiCl}_2$ increases SiC yield which is 99.5% at 1,600-1,700 C.

Card 1/2

UDC: 546.28'261

L 26779-66

ACC NR: AP6017449

In the region of relatively low temperatures (up to 1,400 C) the solid products of methylchlorosilane dissociation are separated in the form of polycrystalline layers, while above 1,400 C the growth of beta-SiC crystals occurs. Shape of the formed crystals depends on the relative content of silicon and carbon in the vapor-gas phase. Orig. art. has: 3 figures and 1 table. [JPRS]

SUB CODE: 07 / SUBM DATE: 20Jun65 / ORIG REF: 005 / OTH REF: 012

Card 2/2 pla

KAZARYAN, G.A.

Diagnosis of atypical forms of thyrotoxicosis by means of
radioactive iodine. Zhur. eksp. i klin. med. 3 no.1:57-63
'63. (MIRA 16:10)

1. Institut rentgenologii i onkologii AN Armyanskoy SSR.
(THYROID GLAND — DISEASES) (IODINE ISOTOPES)

BAYBURTTSYAN, A.A., prof.; AKHRYAN, V.A.; KAZARYAN, G.A., kand. med. nauk;
ARUTYUNYAN, R.R.; NAZINYAN, S.A.; ARUTYUNYAN, V.M.

Radioactive iodine (I^{131}) used in determining the hormonal activity
of the thyroid gland in rats following castration. Vop. radiobiol.
(AN Arm. SSR) 3/4 225-228 '63. (MIRA 17:6)

KAZARYAN, G.A., ~~mlechshiy~~ nauchnyy sotrudnik

Function of the thyroid gland in cardiovascular diseases.
Vop. radiobiol. [AN Arm. SSR] 1:229-240 '60. (MIRA 15:3)

1. Iz Sektora radiobiologii AN Armyanskoy SSR.
(CARDIOVASCULAR SYSTEM--DISEASES)
(THYROID GLAND)

KAZARYAN, G.A., mladshiy nauchnyy sotrudnik; SAAKYAN, D.G.

Effect of hypothermia on the course of acute radiation sickness. Vop. radiobiol. [AN Arm. SSR] 1:181-186 '60.
(MIRA 15:3)

1. Iz Sektora radiobiologii AN Armyanskoy SSR.
(RADIATION SICKNESS)
(HYPOTHERMIA)

272400

44576

S/739/60/001/000/013/015
EO20/E185

AUTHORS: Kazaryan, G.A., Junior Scientist, and Saakyan, D.G.

TITLE: The effect of hypothermia on the course of acute
radiation sicknessSOURCE: Akademiya nauk Armyanskoy SSR. Sektor radiobiologii.
Voprosy radiobiologii. v.1, 1960, 181-186

TEXT: The authors have endeavoured to increase the radio-resistance of animals by subjecting them to hypothermia. Rats were exposed to a dose of 800 r from an X-ray apparatus, and hypothermia was produced either before or after irradiation by treatment with lobeline hydrochloride and immersion in an ice bath. Appropriate controls were set up, and in all 110 rats were used. In rats cooled to 25-27 °C before irradiation the survival time was prolonged by 3 - 4 days, and by 1 day in animals cooled to 18-20 °C. The acute radiation sickness took a milder course in the cooled animals than in the uncooled controls. The survival time was prolonged by 4 - 5 days in rats cooled after irradiation to 18 - 20 °C, and by 1 day in rats cooled to 25 - 27 °C. X

Card 1/2

The effect of hypothermia on the ...

S/739/60/001/000/013/015
E020/E185

The present paper was reported at the Scientific Session of the
Section on April 5 and 6, 1960.

There are 2 figures.

ASSOCIATION: Sektor radiobiologii, AN ArmSSR
(Radiobiological Section, AS Arm.SSR)

Card 2/2

KAZARYAN, G.A., mladshiy nauchnyy sotrudnik

Study of the functional state of the thyroid gland by means of radioactive iodine during radiation therapy for cancer of the larynx and esophagus. Vop.rent.i onk. 6:211-216 '61.

(MIRA 16:2)

(LARYNX--CANCER) (ESOPHAGUS--CANCER)
(THYROID GLAND) (IODINE--ISOTOPES) (RADIOTHERAPY)

KAZARYAN, G.A., kand. med. nauk; ARUTYUNYAN, V.M.; ARUTYUNYAN, R.R. ;
AKOPYAN, I.G.

Clinical aspects and diagnosis of struma nodosa subjected to
malignization. Vop. rent. i onk. 7:311-319 '63 (MIRA 17:7)

KAZARYAN, G.A.

Treatment of thyrotoxicosis with radioactive iodine. Zhur.
eksp. i klin. med. 4 no.2:39-45 '64. (MIRA 17:8)

1. Institut rentgenologii i onkologii AMN SSSR.

KYANDARYAN, K.A., dotsent; KAZARYAN, G.A., mladshiy nauchnyy sotrudnik

Thyroid function in the case of hereditary and acquired heart
diseases. Vop. radiobiol. AN ARM. SSR 2:9-22 '61.

(MIRA 18:4)

KAZARYAN, G.A., mladshiy nauchnyy sotrudnik

Use of radioactive iodine in diagnosis of thyrotoxicosis. 'Op.
radiobiol. AN ARM. SSR 2:23-33 '61.

Study of functional activity of the struma nodosa by radioactive
iodine. Ibid.:35-41 (MIR 18:4)

KAZARYAN, G.A., mladshiy nauchnyy sotrudnik; CHIL-AKOPYAN, L.~, mladshiy
nauchnyy sotrudnik; BATIKYAN, I.G., mladshiy nauchnyy sotrudnik

Some biochemical and hematological indices in thyrotoxicosis
patients. Vop. radiobiol. AN ARM. SSR 2:213-219 '61.

(MIRA 18:4)

KAZARYAN, G.A.; ARUTYUNYAN, V.M.; KARAPETYAN, N.V.; CHIL-AKOPYAN, L.A.

Some biochemical indices in thyrotoxicoses. Izv. AN Arm. SSR. Biol.
nauki 18 no.1:91-96 Ja '65. (MIRA 18:5)

1. Laboratoriya gormonov i izotopov Nauchno-issledovatel'skogo
instituta rentgenologii i onkologii AMN SSSR, endokrinologicheskiy
kabinet II meditsinskogo ob'yedineniya.

AUTHOR: Kazaryan G.S., Engineer (Leningrad Electro-mechanical Works).⁴²⁷

TITLE: Experience of work on the organisation of mass production of single-phase integrating meters. (Opyt raboty po organizatsii massovogo proizvodstva odnofaznykh elektroschetchikov.)

PERIODICAL: "Vestnik Elektropromyshlennosti" (Journal of the Electrical Industry) 1957, Vol. 28, No. 5, pp. 58 - 61, (U.S.S.R.)

ABSTRACT: The Leningrad Electro-mechanical Works undertook the manufacture of domestic watt-hour meters on a large scale. This article describes in some detail all the measures that were taken including the reorganisation of the shops changes that were made in the method of making particular parts, the organisation of production of flow lines, the introduction of new training courses and better housing conditions. A table is given showing the increase in production and the reduction of costs between 1954 and 1956.

4 figures, no literature references.

AVAKYAN, TS.M.; KAZARYAN, G.T.
APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721330007-8"

Effect of dinitrophenol on the bioelectric activity of the shoots
of Vicia faba. Izv. AN Arm. SSR. Biol. nauki 16 no.11:73-76 N
'63. (MIRA 17:4)

1. Laboratoriya biofiziki Armyanskogo nauchno-issledovatel'skogo
instituta zemledeliya.

AVAKYAN, TS.M.; ADZHYAN, N.S.; KAZARYAN, G.T.

All-purpose automatic units for the production of intracellular
microelectrodes. Izv. AN Arm. SSR. Biol. nauki 18 no.6:93-97
Je '65. (MIKA 18:9)

1. Laboratoriya biofiziki Nauchno-issledovatel'skogo instituta
zemledeliya goroda Echmiadzin.

L 23846-56

ACC NR: AP6015266

SOURCE CODE: UR/0298/65/018/006/0093/0097

AUTHOR: Avakyan, Ts. M.; Adzhyan, N. S.; Kazaryan, G. T.ORG: Biophysics Laboratory, Scientific Research Institute of Farming, Echmiadzin
(Laboratoriya biofiziki NII zemledeliya)

TITLE: All-purpose automatic units for manufacturing intracellular microelectrodes

SOURCE: AN ArmSSR. Izvestiya. Seriya biologicheskikh nauk, v. 18, no. 6, 1965, 93-97

TOPIC TAGS: electrode, circuit design, automatic machine, electronic manufacturing machinery

ABSTRACT: The article describes an automatic machine constructed by the authors for manufacturing intracellular microelectrodes. The circuit diagram and blueprints are given. The construction and operation of the units for preliminary preparation of the capillary tubes and for obtaining the microelectrodes are described. The circuits allow simultaneous control of the operation of both units. Orig. art. has: 3 figures.
[JPRS]

SUB CODE: 09, 06 / SUEM DATE: 27Nov64 / ORIG REF: 003 / OTH REF: 001

Card 1/1

KAZARYAN, G. Ye.

Surgical treatment of thyrotoxic goiter according to clinical material. Zhur. eksp. i klin. med. 3 no.1:65-71'63.

(MIRA 16:10)

1. Kafedra obshchey khirurgii Yerevanskogo meditsinskogo instituta.

(GOITER) (THYROID GLAND — SURGERY)

KAZARYAN, G.Ye.; OGANESYAN, OIN.

Changes in the organs of voice before and after surgical treatment
of goiter. Izv. AN Arm. SSR, Biol. nauki 13 no.12:53-58 D '60.
(MIRA 13:12)

1. Kafedra obshchey khirurgii i otolaringologicheskikh bol'zney
Yerivan'skogo meditsinskogo instituta.
(THYROID GLAND—SURGERY)
(LARYNX—WOUNDS AND INJURIES)

GAMBARYAN, P.P.; KARAPETYAN, V.S.; AYRUMYAN, K.A.; KAZARYAN, K.G.;
MEZHLUMIAN, S.K.

Ecology of the Prometheus vole(*Promethomys schaposchnikovi* Sat.).
Zool. sbor. no. 10:5-16 '57. (MIRA 11:7)
(Adzhar--Imeretian Range--Field mice)

KANKANYAN, A.G.; KAZARYAN, K.N.

Magnesium stannide as a reducing agent. Report No.1. Nauch. trudy
Brev. un. 60:83-92 '57. (MIRA 11:8)
(Magnesium-tin alloys) (Reduction, Chemical)

KANKANYAN, A.G.; KAZARYAN, K.N.

Magnesium stannide as a reducing agent. Report No.2. Nauch.
trudy Erev. un. 60:93-99 '57. (MIRA 11:8)

1.Kafedra analiticheskoy khimii Yerevanskogo gosudarstvennogo
universiteta.
(Magnesium-tin alloys) (Reduction, Chemical)

BAYEVSKIY, R.M.; KAZAR'YAN, L.A.

Recording seismocardiograms of dogs. Probl. kosm. biol. 1:418-421
'62. (MIRA 15:12)
(BALLISTOCARDIOGRAPHY) (SPACE MEDICINE)

L 09802-85 FED-2/EKG(3)/EMG(6)/ECG(2)/EMG(2)/EMG(1)/ESG(1)/S(v)-3/EEG(1)/2/EKG(v)/EMG(a)/
EMG(a)-2/FED-2/EKG(c)/EMG(1)/ERA(h) Po-4/Po-5/Po-4/Pac-1/Po-1/Pac-2/Po-1/Po-1/T-1/
POTROZ/EMR

ALTAIR-2. Biologicheskie i fiziologicheskie issledovaniya po leteniyu v Kosmos. V. V. Hoshch - Izdatelstvo

TITLE: Computer monitoring of physiological conditions in space flight

SOURCE: Vsesoyuznaya konferentsiya po avtomaticheskemu kontrolyu i upravlenii elektricheskimi protsessami. M. N. Slobodskoi, T. V. Ayl'yanashvili, A. V. Kostylev. Elektricheskikh izmereniy: trudy konferentsii, t. 2: Teoriya izmerenii. Sovet nauchno-tekhnicheskogo obshchestva po radioelektronike i radioelektronnoj apparature. Izdatelstvo

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721330007-8"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721330007-8

L 59-02-65

ACCESSION NR: ATE013040

ABSTRACT: This document contains the history of monitoring the cable

Code: 02-65

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721330007-8"

L 596:2-65

ACCESSION NR: AF5013040

(Continued from page 1)

Pericardiac ballistocardiogram	Mechanical work	10—20 mm/sec ²	1 mm sec ⁻²
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motor resistance, etc., is also measured at the same time.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721330007-8

ACCESSION NO. A751307

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721330007-8"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721330007-8

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721330007-8"

L-59602-65

ACCESSION NR: AF5013040

100 - All pressure and temperature, gas composition of the air
and the air flow rate in the system.

200 - duration of the measuring cycle varies for individual stages of the

60

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721330007-8

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721330007-8"

Information on this document is derived from sources which have not been
independently verified by the Central Intelligence Agency.

tion. Orig. art. has: 5 figures, 3 tables.

Card 9/9

KAZARYAN, L.G., V.VANKIN, D.Ya.

Amorphous texture of polyethylene terephthalate films. Vysokom.
scied. 7 no.1:80-87 Ja '65. (MIRA 18:5)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

KAZARYAN, L.G., TSVANKIN, D.Ya., ROGOVINA, L.Z.

Study of the orientation process during deformation of polypropylene

Report presented at the 13th Conference on the high-molecular compounds
Moscow, 8-11 Oct 62

KAZARYAN, L.G.; TSVANKIN, D.Ya.

X-ray diffraction study of the degree of orientation. Vysokom.
soed. 5 no.7:976-978 Jl '63. (MIRA 16:9)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Polymers) (X rays—Diffraction)

ACCESSION NR: AP^T4020716

S/0000/63/000/000/0267/0271

AUTHOR: Kazaryan, L. G.; Tsvankin, D. Ya.; Rogovina, L. Z.

TITLE: X-ray investigation of the crystal orientation in polypropylene films

SOURCE: Karbotsepnye vy'sokomolekulyarnye soyedineniya (Carbon-chain macromolecular compounds); sbornik statey. Moscow, Izd-vo AN SSSR, 1963, 267-271

TOPIC TAGS: X-ray diffraction, crystalline polymer, polypropylene, crystal orientation, polypropylene structure

ABSTRACT: In isotactic polypropylene films stretched to a small extent in the cold, part of the crystals are completely oriented and form an axial structure, while the other crystals form an isotropic system. In the present paper, the relation between the degree of orientation, temperature and amount and rate of stretching was determined for pressed polypropylene films having a mol. wt. of 36,000. A formula is derived for calculating the proportion of oriented crystals per unit volume (averaged for the 110 and 041 planes):

$$L = 1/(1 + 0.29 \frac{Id}{Ir}) \quad (1)$$

Card 1/2

ACCESSION NR: AF4020716

where I_d and I_r are the integral intensities of the Debye ring and the reflex, respectively. The degree of orientation increased with increasing temperature (10-120°C), increasing degree of stretching (up to 12-fold) and decreasing stretching rate (0.06-0.45 mm/sec.). By stretching at low temperatures, a mesomorphic structure is obtained, which is then crystallized. The nature of the orientation and the appearance of the mesomorphic structure can be explained by the assumption that melting and recrystallization of the crystals occur during stretching. "The authors express their gratitude to A. I. Kitaygorodskiy and G. L. Slonimskiy for their interest in this work and many valuable suggestions." Orig. art. has: 3 figures and 4 formulas.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR (Institute of Organo-metallic Compounds, AN SSSR)

SUBMITTED: 26Jul62

DATE ACQ: 20Mar64

ENCL: 00

SUB CODE: OC, MT

NO REF SOV: 003

OTHER: 004

Card 2/2

KAZARYAN, L.G.; URMAN, Ya.G.

Second moment in the nuclear magnetic resonance line of the
oriented amorphous film of polyethylene terephthalate. Zhur.
strukt. khim. 5 no.4:534-537 Ag '64. (MIRA 18:3)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

ACCESSION NR: AP3003785

S/0190/63/005/007/0976/0978

AUTHORS: Kazaryan, L. G.; Tsvankin, D. Ya.

TITLE: X-ray study of degree of orientation

SOURCE: Vyssokomolekulyarnye soyedineniya, v. 5, no. 7, 1963, 976-978

TOPIC TAGS: oriented polymer, oriented crystal, x ray diagram, integral intensity, scattered beam, texture axis

ABSTRACT: Formulas are obtained for calculating the degree of orientation in partially oriented polymers by using integral intensities of reflexes from x-ray diagrams. n_{or} is defined as the general number of oriented crystals and n_{nor} , the nonoriented crystals. The integral intensity of either reflex hkl is given by

$$I = \frac{e^4 \lambda^2}{m^2 c^4 V} \cdot I_0 F_{hkl}^2 \Phi \cdot p \cdot \delta V,$$

where I_0 - intensity of incident beam, F - a structure factor, Φ - integration

Card 1/2

ACCESSION NR: AP3003785

factor, λ - x-ray wavelength, V - volume of elementary cell, p - recurrence factor. Using these definitions plus the fact that the x-ray diagrams of partially oriented polymers are superpositions of the texture x-ray diagram upon the Debye x-ray diagram, the formula to determine n_{or} , yields

$$n_{or} = \frac{4 \pi n^2 c^4 V / I_{rec} \cdot V \sin^2 \alpha - \cos^2 2\theta}{e^4 \lambda^2 I_0 F_{hkl}^2 P_{tot} \delta V \cdot (1 + \cos^2 2\theta)}$$

where θ - Bragg reflection angle and α - angle between scattered beam and texture axis. "The authors are grateful to A. I. Kitaygorodskiy for his interest in this work." Orig. art. has: 11 formulas and 2 figures.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR (Institute of Organoelemental Compounds, AN SSSR)

SUBMITTED: 06Dec61

DATE ACQ: 08Aug63

ENCL: 00

SUB CODE: SS

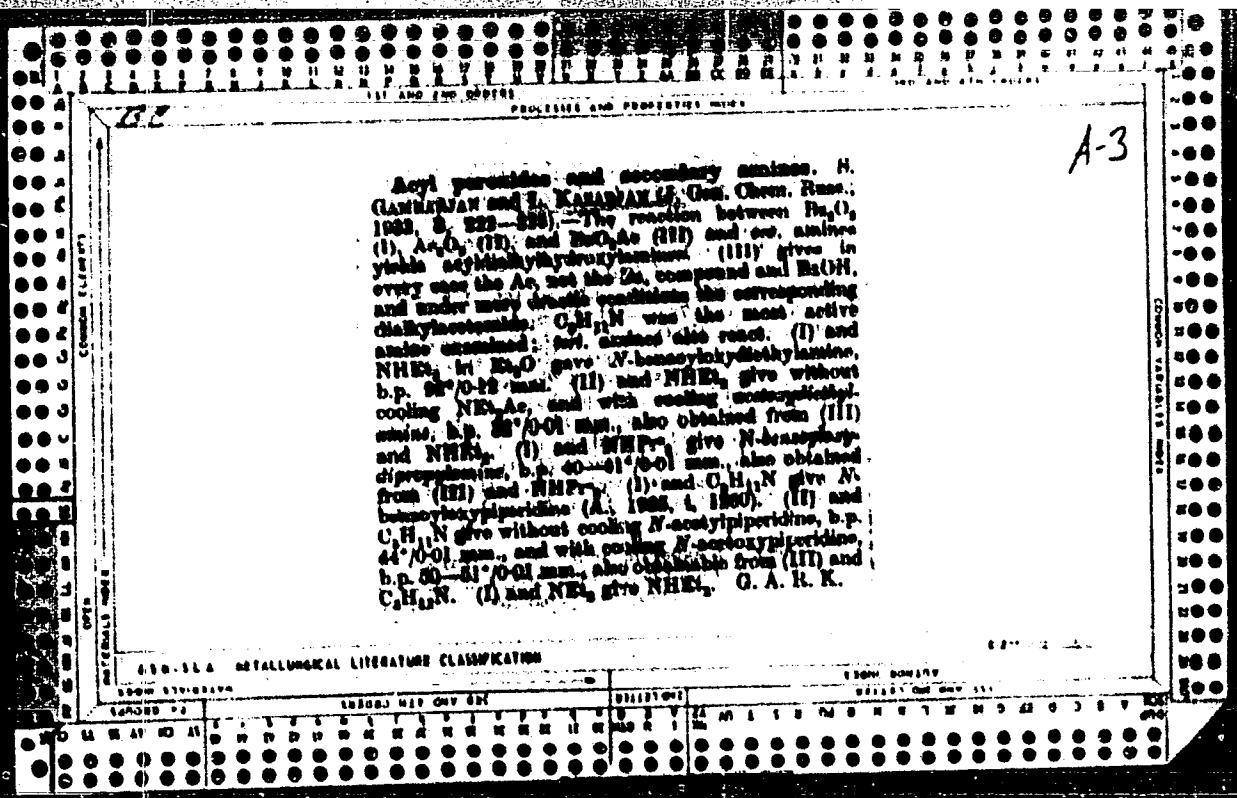
NO REF SOV: 003.

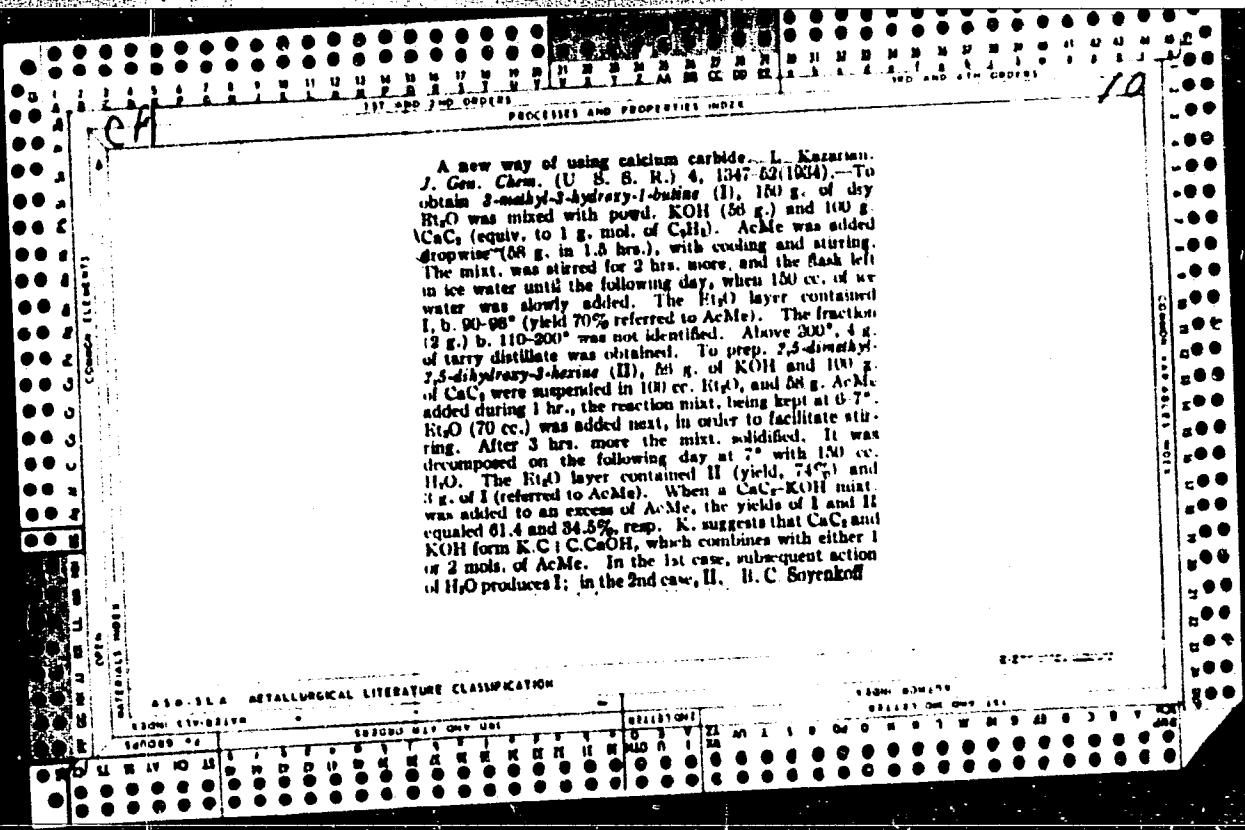
OTHER: 001

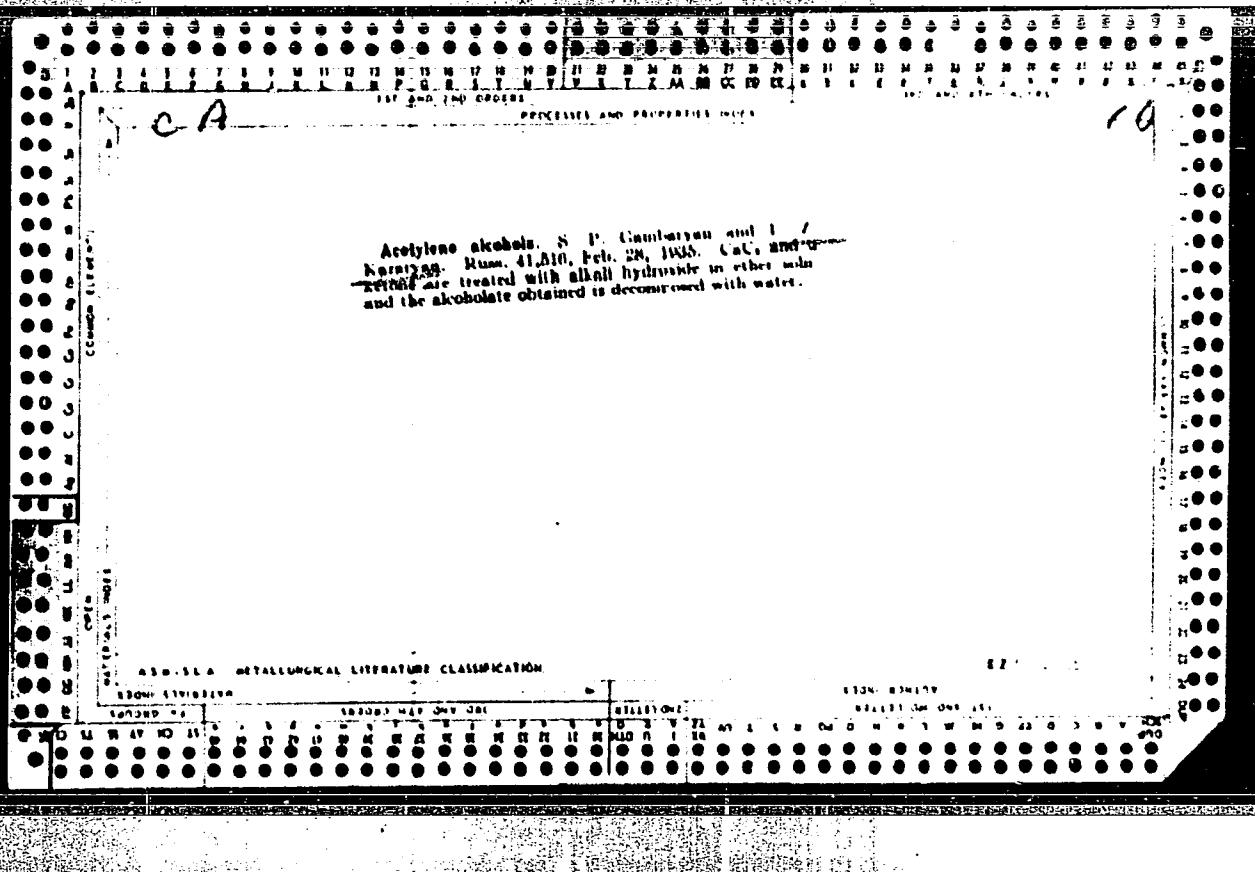
Card 2/2

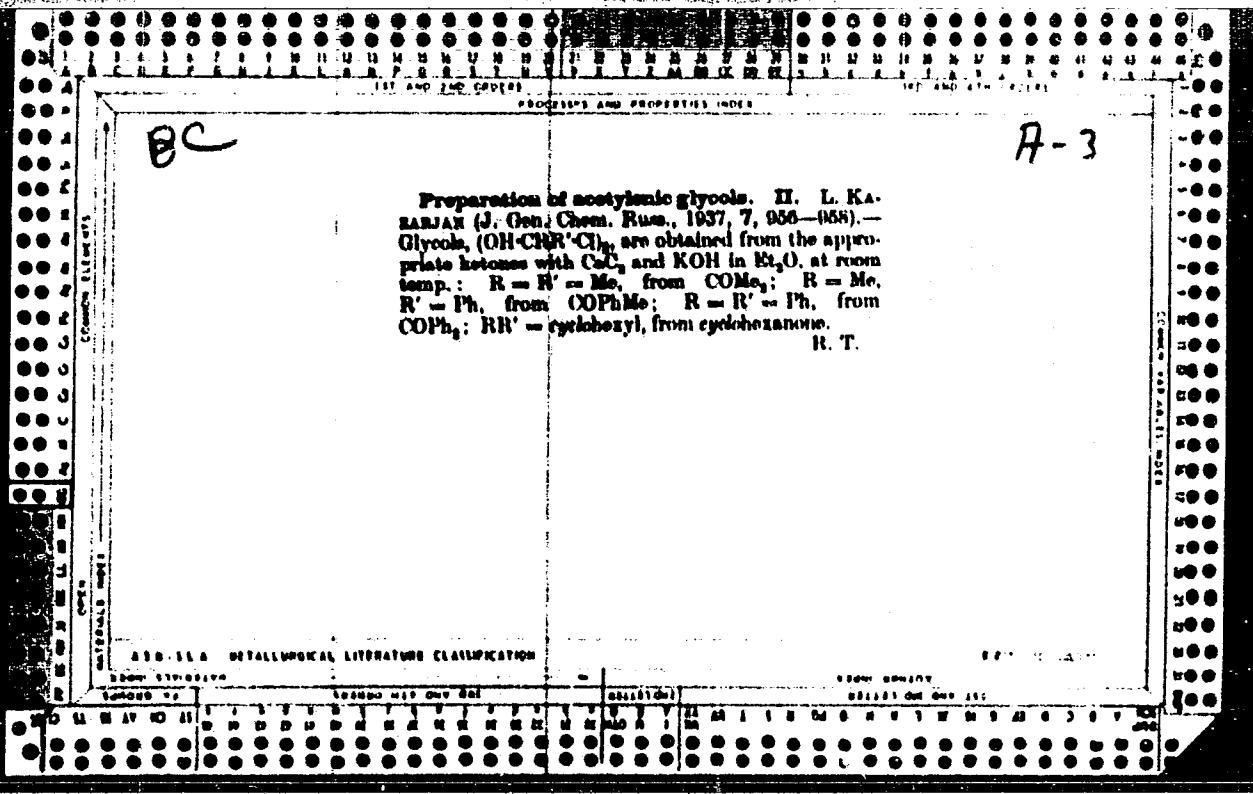
KAZARYAN, L.V.

John Roses formula in structures with relative pseudocomplements.
Trudy Vych. tsentra no.1:7-12 '63. (MIRA 16:11)









KAZARYAN, L. Z.

Kazaryan, L. Z. - "Toward the derivation of double secondary acetylene glycols,"
Report 3, Izvestiya (Akad. nauk Arm. SSR), Fiz.-matem., yestestv.
i tekhn. nauki, 1948, No. 3, p. 269-73 — Summary in Armenian —
Bibliog: p. 272

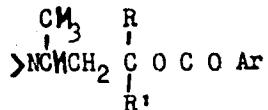
So: U-3566, 15 March, 53, (Letopis 'Zhurnal ' nykh Satey, No. 13, 1949)

AUTHORS: Nazarov, I. N. (Deceased), Kazaryan, L. Z. 79-12-25/43

TITLE: Synthetic Anaesthetizing Compounds (Sinteticheskiye obezbolivayushchiye veshchestva). XVII. Complex Ether of the 3-Dialkylamino - 2 - methyl - 1,1 - dialkylpropane- 1 - ole (XVII. Slozhnyye efiry 3 - Dialkylamino - 2 - metil - 1,1 - dialkilpropan - 1 - olov).

PERIODICAL: Zhurnal Obshchey Khimii, 1957, Vol. 27, Nr 12, pp. 3302-3309 (USSR).

ABSTRACT: In earlier works the syntheses of complex ethers of the tertiary amino-alcohols of the structure:



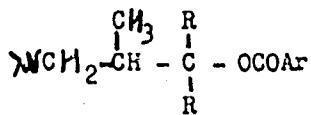
were described. As the authors' aim was to systematically investigate the dependence of the physiologic activity of this kind of compounds on their structure, especially the dependence on the character of alcohol radicals (R) as well as on the position of the methyl groups in the aminopropane chain, they synthesized a number of complex ethers the original product of which was methylmetacrylate:

Card 1/3

Synthetic Anaesthetizing Compounds.

79-12-25/43

XVII. Complex Ether of the 3 - Dialkylamino - 2 - methyl - 1,1 - dialkylpropane - 1 - ole.



The combination of methylmethacrylate with di-methylamine, diethylamine and piperidine takes place smoothly at room temperature and has yields of more than 90% of aminoethers, the yields increasing with the longer storing

of the compound. In the case of interaction of the ethers of the β -dimethylamino- and β -diethylaminoisobutyric acid obtained this way with methylmagnesiumiodide, as well as with ethyl-, propyl- and iso-amylmagnesiumbromide the corresponding tertiary aminoalcohols were obtained (see table). Therefore, starting from methylmethacrylate a great number of sliphatic and aliphatic-aromatic tertiary aminoalcohols as well as of their complex ethers, -benzoates, p-nitrobenzoates and p-aminobenzoates were synthetized. All of them were subjected to pharmacological examination. Some of the complex ethers are of a considerable anaesthetizing effect. The chlorhydrates of benzoates are three times more active than novocain.

Card 2/3

There are 3 tables, and 4 references, 2 of which are Slavic.

Synthetic Anaesthetizing Compounds.

XVII. Complex Ether of the 3 - Dialkylamino - 2 - methyl - 1,1 - dialkylpropane - 1 - ole.

79-J2-25/43

ASSOCIATION: Institute for Organic Chemistry AN USSR (Institut organicheskoy khimii Akademii nauk - SSSR).

SUBMITTED: October 15, 1956.

AVAILABLE: Library of Congress.

1. Ethers - Synthesis

Card 3/3

AUTHORS: Nazarov, I. N. (Deceased), Kazaryan, L. Z. 79-12-26/43

TITLE: Synthetic Anaesthetizing Compounds (Sinteticheskiye obezbolivayushchiye veshchestva). XVIII. Anilides and Substituted Amides of β -Dialkylaminoisobutyric Acid and of Some Aromatic Acids (XVIII. Anilidy i zameshchennyye amidy β -dialkilamino-izomasylyanykh i nekotorykh aromaticeskikh kislot).

PERIODICAL: Zhurnal Obshchey Khimii, 1957, Vol. 27, Nr 12, pp. 3309-3314 (USSR).

ABSTRACT: Following earlier works and with regard to recent hints that in certain cases the amides are of greater anaesthetizing power than the corresponding complex ethers the authors synthesized number of amides of the β -dialkylaminoisobutyric acids, in order to investigate them pharmacologically and to compare them with earlier described complex ethers of aminoalcohols. The amides of the following three kinds were obtained:
1. - Anilides of the β -dialkylaminoisobutyric acid. 2. - Substituted amides of the β -dialkylaminoisobutyric acid and 3. - substituted amides of aromatic acids. 1) The synthesis of anilides of β -dialkylaminoisobutyric acid (table 1) was carried out according to the reaction process expressed in the formulae. 2) The substituted amides of the same acids (table 2) were obtained by means of the influence of methylesters of the β -dialkylaminoisobutyric acids on magnesium bromoamine,

Card 1/2

Synthetic Anaesthetizing Compounds.

XVIII. Anilides and Substituted Amides of β -Dialkylaminoisobutyric Acid and of Some Aromatic Acids.

79-12-26/43

which had been produced by means of the reaction of magnesium bromoethane with diethylaminopropylamine (see formulae!).

3) The substituted amides of aromatic acids are synthetized by the authors by means of the influence of γ -diethylaminopropylamine on the chloroanhydrides of benzoic and p-nitrobenzoic acid. The amide of the latter was then reduced to the amide of p-aminobenzoic acid (see formulae). Of the physiologically examined preparations obtained here only the anilide of β -N-piperidinoisobutyric acid is of anaesthetizing effect similar to that of novocain.

There are 2 tables, and 3 references, 2 of which are Slavic.

ASSOCIATION: Institute for Organic Chemistry AN USSR (Institut organicheskoy khimii Akademii nauk SSSR).

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Card 2/2 1. Amides - Synthesis 2. Cyclic compounds -
 Synthesis

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E142/E465

15.8109

AUTHORS: Kazaryan, L.Z. and Zaprosyan, T.O.
TITLE: Synthesis of Polyvinyl Butyral by Interchange of the
Alcohol Groups of Polyvinyl Acetate and Dimethyl
Butyrate

PERIODICAL: Izvestiya Akademii nauk Armyanskoy SSR, Khimicheskiye
nauki, 1960, Vol.13, No.1, pp.37-44

TEXT: In earlier work (patents and literature), the preparation of polyvinyl acetate by condensing polyvinyl alcohol with various carbonyl compounds, especially with aldehydes, was dealt with, (Ref.1). Alternative methods of preparation are also mentioned (Ref.2 to 5). In this paper, the authors describe the direct synthesis of polyvinyl acetals by reacting polyvinyl acetate with dimethyl butyral in the presence of a catalyst (dimethyl sulphate); polyvinyl butyral and methyl acetate are formed. A 72.8 mole % conversion is obtained after 11 hours. (During the acetylation of polyvinyl alcohol by known methods only a 70 to 75 mole % conversion is achieved after 16 hours) (Table 1). A further advantage of this method consists in the

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Synthesis of Polyvinyl Butyral by Interchange of the Alcohol Groups of Polyvinyl Acetate and Dimethyl Butyrate

fact that the reaction can be carried out at very high temperatures (Table 3) as the acetals have much higher boiling points than corresponding aldehydes. It is also suggested that the process could be used for the synthesis of those esters where difficulties have hitherto been encountered during preparation. Fig.1 shows curves for the rate of acetylation obtained by plotting the content of butyral groups (in mole %) against time (in hours) in the presence of 1 g and 5 g dimethyl sulphate respectively, and in butanol. Tables 1 and 2 give analytical data on the content of butyral groups in test samples. The methyl acetate is determined by the quantity of alkali required for its saponification. The low yield of methyl acetate (36.3%) is due to the incomplete acetylation of the polyvinyl acetate and the partial saponification of the methyl acetate itself during the preceding neutralization of its water-methanol solution. There are 1 figure, 3 tables and 6 references: 3 Soviet and 3 non Soviet.

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Synthesis of Polyvinyl Butyral by Interchange of the Alcohol Groups of Polyvinyl Acetate and Dimethyl Butyrate

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SUBMITTED: September 9, 1959

Card 3/3

KAZARYAN, L. Z.; AVETIKYAN, S.G.

Synthesis of some polyatomic acetylenic alcohols. Report No. 4.
Inv. AN Arm. SSR Khim. nauki 13 no.2/3;129-132 '60.
(MIRAI3:10)

1. Yerevanskiy politekhnicheskiy institut im. K. Markska, Kafedra
obshchey i fizicheskoy khimii.
(Butynol)